MSU 4.1-605(A)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Robert H. Cichewicz, Muraleedharan G. Nair

and James H. McKerrow

For : ANTIHELMINTHIC ANTHRAQUINONES AND METHOD

OF USE THEREOF

Hon. Commissioner of Patents and Trademarks Washington, D. C. 20231

Sir:

INFORMATION STATEMENT UNDER RULE 1.97 and 1.98

Provided herewith are copies of patents and publications as listed in the attached form PTO-1449. A concise explanation of the relevance of each reference listed in form PTO-1449 is contained in the above-captioned specification as filed.

Applicant respectfully asserts that the substantive provisions of 37 CFR 1.97 and 37 CFR 1.98 are met by the provision of the foregoing statement.

Respectfully,

Robert H. Cichewicz Date:
 Muraleedharan G., Nair
Date: /2/11/02
James H. McKerrow

Ian C. McLeod, Attorney Registration No. 20,931

Date: 12/12/02

McLEOD, MOYNE & REILLY, P.C. 2190 Commons Parkway Okemos, Michigan 48864

(517) 347-4100 Fax: (517) 347-4103 PTO/SB/08A (10-96)
Approved for use through 10/31/99, OMB 0651-0031
Patient and Trademark Office: U.S. DEPARTMENT OF COMMERCE

quired to respond to a collection of information unless it contains a valid OMB control number.

	tute for form 1449A/P		·	Complete if Known				
				Application Number				
INF	ORMATION	I DIS	CLOSURE	Filing Date	·			
ST	ATEMENT I	BY A	PPLICANT	First Named Inventor	Robert H. Cichewicz			
-			•	Group Art Unit	·			
	(use as many sh	oots as	necessary)	Examiner Name				
Sheet	1	of	· · 1	Attorney Docket Number	MSU 4.1-605(A)			

	-			U.S. PATENT DOCU	MENTS	
Examiner Initials	Che No.1			Name of Patentee or Applicant Otted Document		Pagoe, Columns, Lines, Where Relevant Paesages or Relevant Eigures Appear
	AA	4,117,1	56	Loewe et al		
	AB ·	5,091,3	85	Gulliya et al		
	AC	5,177,0	73	Gulliya et al		
	AD	5,489,5	90	Gulliya et al		
		·				·
				•		
					- 	
						
					-	
					,	
		•				

				FORE	IGN PATENT DOCUMENTS	S		
	~	F	oreign Patent Do		Name of Patentee or	Date of Publication of	Pages, Columns, Lines, Where Relevant	-
Examiner Initials*	Cite No. ¹	Office?	Number ⁴	(If known)	Applicant of Cited Document	Cited Document MM-DD-YYYY	Passages or Relevant Figures Appear	76
						<u> </u>		4
				-		ļ	·	
			•	·	/			
			•					1
			·					4_
							·	4
								4-
		~		.				

			 	 $\overline{}$
Examiner	Date			1
Signature	Considered		 	
<u></u>		-	 	

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. 2 See attached Kinds of U.S. Patent Documents. 3 Enter Office that issued the document, by the two-letter code (MIPO Standard ST.3). 4 For Japanese patent documents, the indication of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. Applicant is to place a check mark here if English language Translation is attached.

Please type	a plus	sign (+) ir	side this	box	→	T,	

PTC/SB/08B (10-96)
Approved for use through 10/31/99, OMB 0651-0031
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE section of information unless it exercises and the commerce of th

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a co

Substitu	te for form 1449	EVPTO		Complete if Known			
INIEC	DESATI	ON DIC	201.001105	Application Number			
			SCLOSURE	.Filing Date			
STA	TEMEN	T BY A	PPLICANT	First Named Inventor	Robert H. Cichewicz		
				Group Art Unit			
	(use as ma	ny sheets a	s necessary)	Examiner Name			
Sheet	1	of	3	Attorney Docket Number	MSU 4.1-605(A)		

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS Include name of the author (in CAPITAL LETTERS), tide of the article (when appropriate), tide of the								
Examiner Initials*	Cite No.1	item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	11					
	A1	Chitsula et al., Acta Trop. 77: 41-51 (2000).						
	В1	Bica et al., Infect. Dis. Clin. N. Am. 14: 637-642 (2000).	1					
	C1	Elliot, Gastroenterol. Clin. N. Am. 25: 599-624 (1996).	+					
	D1	Morris and Knauer, Sem. Respir. Infect. 12: 159-170 (1997).	1					
	E1	Schafer and Hale, Curr. Gastroenterol. Reports 3: 293-303 (2001).						
	F1	Cioli, Parasitol. Today 14: 418-422 (1998).	\top					
	G1	Curr. Opin. Infect Dis. 13: 659-663 (2000).						
· .	H1	William et al., Parasitol. 122: 63-66 (2001).	+					
	[1	Shiao et al., Acta Pharma. Sinica 9: 218-224 (1962).						
	71	Wang et al., Phytochem. 28: 1825-1826 (1989).						
F	ξ1	Wang and Yang, 1993						

			·
Examiner			
Cianak		Date	
Signature	_	0	· .
		Considered	

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² Applicant is to place a check mark here if English language Translation is attached.

Please	type	a plus	sign () Inside	this	box	→	Γ.
--------	------	--------	--------	----------	------	-----	----------	----

PTO/SB/08B (10-96)

Approved for use through 10/31/99. OMB 0651-0031

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Figure 10/31/99. OMB 0651-0031

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Substitute for form 1440PPTO

7						tare constant in the lost			
Sut	stitute for fo	rm 14498/	РТО		Complete If Known				
IN	EODI	ATIC	AI DIC	CLOSURE	Application Number				
					.Filing Date				
S	TATE	JENT	BY A	PPLICANT	First Named Inventor Robert H. Ciche				
					Group Art Unit				
	(us	e as man	y sheets as	necessary)	Examiner Name				
Shee		2	of	3	Attorney Docket Number	MSU 4.1-605(A)			
						1100 111 003 (11)			

	OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS Include name of the author (in CAPITAL LETTERS), little of the article (when appropriate), little of the								
Examiner Initials*	Cite No.¹	item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T						
	L2	Main et al., Aust. Vet. J. 57: 132-135 (1981).							
	М2	Colegate et al., Aust. J. Chem. 38: 1233-1241 (1985).							
	N2	Chen et al., Acta. Pharma. Sinica 9: 579-586 (1962).							
	02	Khan et al., In Synthesis 255-257 (1994).							
	P2	Cameron et al., In Tetrahedron Letters 27: 4999-5002 (1986).							
	Q2	Baker and Myers, Pharmacol. Res. 8: 763-770 (1991).							
	R2	Danielsen and Aksnes, Magn. Reson. Chem. 30: 359-360 (1992).							
-	S2	Schripsema et al., Phytochem./51: 55-60 (1999).							
	Т2	Li and McLaughlin, J. Nat. Prod. 52: 660-662 (1989).							
	U2	Midiwo and Arot., Int. J. BioChemiPhysics 2: 115-116 (1993).							
	V2	Brauers et al., J. Nat. Prod. 63: 739-745 (2000).							

Examiner	
I Data . I	~1
Considered	

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² Applicant is to place a check mark here if English language Translation is attached.

• •
٠

PTO/S8/08B (10-96)

	Approved for use through 10/31/99. OMB 0651-0031
Inder the Penerunde Reduction Act of 1995, no possess are married to a	Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
The second of th	Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE espond to a collection of Information unless it contains a valid OMB control number.
	the day of the second

Substitut	e for form 1449	B/PTO		Complete if Known		
INEC	DIAT	ON DIC	OL OOUDE	Application Number		
INFORMATION DISCLOSURE		.Filing Date				
STA	TEMEN	T BY AF	PPLICANT	First Named Inventor	Robert H. Cichewicz	
				Group Art Unit		
	(use as ma	any sheets as	necessary)	Examiner Name		
Sheet	3	of	3	Attorney Docket Number	MSU 4.1-605(A)	

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No.1	include name of the author (in CAPITAL LETTERS), side of the article (when appropriate), side of the	12	
	w3			
	Х3	Batterham et al., Aust. J. Chem. 14: 637-642 (1961).	1	
	Υ3	Milovanovic et al., J. Serb. Chem. Soc. 61: 423-429 (1996).		
	Z 3	Salter et al., J. Biol. Chem. 275: 38667-38673 (2000).		
	·			
· .				
ż				
	\perp			

			<u> </u>
Examiner	4	0-1-	
Signature	1	Date	
Olginatore		Considered	
	<u> </u>	Considered	·

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² Applicant is to place a check mark here if English language Translation is attached.